

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

| | | | | | | | |
|----|--------------------------|----|--|----|--|----|--------------------------|
| AL | Albania | ES | Spain | LS | Lesotho | SI | Slovenia |
| AM | Armenia | FI | Finland | LT | Lithuania | SK | Slovakia |
| AT | Austria | FR | France | LU | Luxembourg | SN | Senegal |
| AU | Australia | GA | Gabon | LV | Latvia | SZ | Swaziland |
| AZ | Azerbaijan | GB | United Kingdom | MC | Monaco | TD | Chad |
| BA | Bosnia and Herzegovina | GE | Georgia | MD | Republic of Moldova | TG | Togo |
| BB | Barbados | GH | Ghana | MG | Madagascar | TJ | Tajikistan |
| BE | Belgium | GN | Guinea | MK | The former Yugoslav Republic of Macedonia | TM | Turkmenistan |
| BF | Burkina Faso | GR | Greece | | | TR | Turkey |
| BG | Bulgaria | HU | Hungary | ML | Mali | TT | Trinidad and Tobago |
| BJ | Benin | IE | Ireland | MN | Mongolia | UA | Ukraine |
| BR | Brazil | IL | Israel | MR | Mauritania | UG | Uganda |
| BY | Belarus | IS | Iceland | MW | Malawi | US | United States of America |
| CA | Canada | IT | Italy | MX | Mexico | UZ | Uzbekistan |
| CF | Central African Republic | JP | Japan | NE | Niger | VN | Viet Nam |
| CG | Congo | KE | Kenya | NL | Netherlands | YU | Yugoslavia |
| CH | Switzerland | KG | Kyrgyzstan | NO | Norway | ZW | Zimbabwe |
| CI | Côte d'Ivoire | KP | Democratic People's Republic of Korea | NZ | New Zealand | | |
| CM | Cameroon | | | PL | Poland | | |
| CN | China | KR | Republic of Korea | PT | Portugal | | |
| CU | Cuba | KZ | Kazakistan | RO | Romania | | |
| CZ | Czech Republic | LC | Saint Lucia | RU | Russian Federation | | |
| DE | Germany | LI | Liechtenstein | SD | Sudan | | |
| DK | Denmark | LK | Sri Lanka | SE | Sweden | | |
| EE | Estonia | LR | Liberia | SG | Singapore | | |

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 00/00109

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06K19/07 G06K7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|---|
| X | EP 0 409 241 A (TOKYO SHIBAURA ELECTRIC CO) 23 January 1991 (1991-01-23) | 1-5,8,9, 11,15, 16,19, 20,22-25 28-30 |
| Y | column 1, line 41 -column 2, line 27 column 3, line 8 -column 6, line 21; figures 4-8 | |
| X | WO 96 31842 A (GEMPLUS CARD INT ;BARTHELEMY SERGE (FR); VAUDANDAINE STEPHANE (FR)) 10 October 1996 (1996-10-10) abstract | 1,5-11, 14,27 |
| A | page 3, line 20 -page 5, line 20; figures 1-3 | 16,19 |
| | -/- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

19 April 2000

Date of mailing of the international search report

02/05/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Gysen, L

INTERNATIONAL SEARCH REPORT

nal Application No
PCT/GB 00/00109

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | US 5 486 687 A (LE ROUX JEAN-YVES) 23 January 1996 (1996-01-23) abstract | 27 |
| Y | US 5 663 748 A (COLLINS RUSSELL L ET AL) 2 September 1997 (1997-09-02) abstract; figures 2,3 column 5, line 46 - line 50 column 7, line 35 - line 63 | 28-30 |
| A | DE 91 00 861 U (SIEMENS AG) 4 July 1991 (1991-07-04) claims 1-4; figures 1,2 | 1,12,13 |
| A | US 5 055 661 A (GOCHI HIDENOBU) 8 October 1991 (1991-10-08) abstract | 1,16 |

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|--|---|--|
| Applicant's or agent's file reference PA3595 PCT/INT | FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. | |
| International application No. PCT/GB 00/ 00109 | International filing date (day/month/year) 17/01/2000 | (Earliest) Priority Date (day/month/year) 16/01/1999 |
| Applicant QDOS MEDIA LIMITED et al. | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of Invention is lacking** (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

SMART CARD AND READER/WRITER

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

1



None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/GB 00/ 00109

B x III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The abstract is changed as follows:

line 1: after 'card' insert '(101)';
line 1: after 'material' insert '(102)';
line 1: after 'means' insert '(103)';
line 4: after 'interface' insert '(104)';
line 5: after 'interface' insert '(105)'.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 00/00109

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|--|--|
| EP 0409241 | A | 23-01-1991 | JP 2862177 B JP 3049996 A DE 69003319 D DE 69003319 T KR 9304316 B US 5126548 A | 24-02-1999 04-03-1991 21-10-1993 24-02-1994 26-05-1993 30-06-1992 |
| WO 9631842 | A | 10-10-1996 | FR 2732790 A AU 697556 B AU 6864996 A CN 1185222 A DE 69601359 D DE 69601359 T EP 0819283 A ES 2129963 T JP 10505931 T US 5969333 A | 11-10-1996 08-10-1998 23-10-1996 17-06-1998 25-02-1999 01-07-1999 21-01-1998 16-06-1999 09-06-1998 19-10-1999 |
| US 5486687 | A | 23-01-1996 | FR 2686172 A DE 69309119 D DE 69309119 T EP 0552078 A ES 2098686 T JP 2593836 B JP 8022521 A SG 46667 A US 5375037 A | 16-07-1993 30-04-1997 14-08-1997 21-07-1993 01-05-1997 26-03-1997 23-01-1996 20-02-1998 20-12-1994 |
| US 5663748 | A | 02-09-1997 | NONE | |
| DE 9100861 | U | 04-07-1991 | NONE | |
| US 5055661 | A | 08-10-1991 | FR 2635892 A GB 2222471 A, B JP 2146656 A | 02-03-1990 07-03-1990 05-06-1990 |

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G06K19/07 G06K7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|--|
| X | EP 0 409 241 A (TOKYO SHIBAURA ELECTRIC CO) 23 January 1991 (1991-01-23) | 1-5, 8, 9, 11, 15, 16, 19, 20, 22-25 28-30 |
| Y | column 1, line 41 -column 2, line 27 column 3, line 8 -column 6, line 21; figures 4-8 | |
| X | WO 96 31842 A (GEMPLUS CARD INT ;BARTHELEMY SERGE (FR); VAUDANDAINE STEPHANE (FR)) 10 October 1996 (1996-10-10) abstract | 1, 5-11, 14, 27 |
| A | page 3, line 20 -page 5, line 20; figures 1-3 | 16, 19 |
| | ---- | |
| | -/-- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

19 April 2000

Date of mailing of the international search report

02/05/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Gysen, L

INTERNATIONAL SEARCH REPORT

(on on)

International Application No.

PCT/GB 00/00109

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 5 486 687 A (LE ROUX JEAN-YVES) 23 January 1996 (1996-01-23) abstract --- | 27 |
| Y | US 5 663 748 A (COLLINS RUSSELL L ET AL) 2 September 1997 (1997-09-02) abstract; figures 2,3 column 5, line 46 - line 50 column 7, line 35 - line 63 --- | 28-30 |
| A | DE 91 00 861 U (SIEMENS AG) 4 July 1991 (1991-07-04) claims 1-4; figures 1,2 --- | 1,12,13 |
| A | US 5 055 661 A (GOCHI HIDENOBU) 8 October 1991 (1991-10-08) abstract ----- | 1,16 |

INTERNET COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
United States Patent and Trademark
Office
Box PCT
Washington, D.C.20231
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

| | |
|---|---|
| Date of mailing (day/month/year) 11 September 2000 (11.09.00) | |
| International application No. PCT/GB00/00109 | Applicant's or agent's file reference PA3595 PCT/INT |
| International filing date (day/month/year) 17 January 2000 (17.01.00) | Priority date (day/month/year) 16 January 1999 (16.01.99) |
| Applicant MONTEITH, John et al | |

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:11 August 2000 (11.08.00)☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

| | |
|--|--|
| <p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No.: (41-22) 740.14.35</p> | <p>Authorized officer</p> <p>Olivia TEFY</p> <p>Telephone No.: (41-22) 338.83.38</p> |
|--|--|



Creation date: 11-19-2003
Indexing Officer: ACHICU - ANDREI CHICU
Team: OIPEBackFileIndexing
Dossier: 09889478

Legal Date: 08-16-2001

| No. | Doccode | Number of pages |
|-----|---------|-----------------|
| 1 | SPEC | 34 |
| 2 | CLM | 3 |
| 3 | ABST | 1 |
| 4 | DRW | 8 |

Total number of pages: 46

Remarks:

Order of re-scan issued on